

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

*Paper #9*

Applicant: Henning Madry, et al

Filing Date:  
March 15, 2001

Group:  
~~3739~~ 1686

**U.S. PATENT DOCUMENTS**

Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass
<i>U</i>	6,077,987	Breitbart et al.	June 20, 2000	623	11
<i>U</i>	5,932,459	Sittinger et al.	August 3, 1999	435	180
<i>U</i>	5,891,455	Sittinger et al.	April 6, 1999	424	426
<i>U</i>	5,858,355	Glorioso et al.	January 12, 1999	424	93.21
<i>U</i>	5,766,585	Evans et al.	June 16, 1998	424	93.21

**U.S. PATENT APPLICATIONS**

Examiner's Initials:	Serial Number:	Applicant:	Filing Date:	Group:	Art Unit:

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials	Document No.	Country	Date	Translation	
				Yes	No

**OTHER DOCUMENTS**

Examiner's Initials	Citation (Including Author, Title, Date, Pertinent Pages, Etc.)
<i>U</i>	Alila, "Expression of biologically active human insulin-like growth factor-I following intramuscular injection of a formulated plasmid in rats," <i>Hum Gene Ther</i> 8:1785-95, 1997.
<i>U</i>	Baragi, "Transplantation of transduced chondrocytes protects articular cartilage from interleukin 1-induced extracellular matrix degradation," <i>J Clin Invest</i> 96:2454-60, 1995.
<i>U</i>	Barton-Davis, et al., "Viral mediated expression of insulin-like growth factor I blocks the aging-related loss of skeletal muscle function," <i>Proc Natl Acad Sci U S A</i> 95:15603-7, 1998.
<i>U</i>	Bonadio, et al., "Localized, direct plasmid gene delivery in vivo: prolonged therapy results in reproducible tissue regeneration," <i>Nat Med</i> 5:753-759, 1999.
<i>U</i>	Buckwalter, et al., "Articular cartilage repair and transplantation," <i>Arthritis Rheum</i> 41:1331-1342, 1998.
<i>U</i>	Doherty, et al., "Resurfacing of articular cartilage explants with genetically-modified human chondrocytes in vitro," <i>Osteoarthritis Cartilage</i> 6:153-9, 1998.

<b>Form PTO-1449</b> <b>(REV. 8-83)</b>	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket 0492611-03	In re Application No. 09/809,456
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		Applicant: Henning Madry, <i>et al</i> Filing Date: March 15, 2001 Group: <del>3739</del> 1636	
<input checked="" type="checkbox"/>	Evans, <i>et al.</i> , "Possible orthopaedic applications of gene therapy," <i>J Bone Joint Surg Am</i> 77A:1103-14, 1995.		
<input checked="" type="checkbox"/>	Eming, <i>et al.</i> , "Targeted expression of insulin-like growth factor to human keratinocytes: modification of the autocrine control of keratinocyte proliferation," <i>J Invest Dermatol</i> 107:113-120, 1996.		
<input checked="" type="checkbox"/>	Farndale, "Improved Quantification of Sulphated Glycosaminoglycans by Use of Dimethylmethylene Blue," <i>Biochem Biophys Acta</i> , 883: 173-177, 1986.		
<input checked="" type="checkbox"/>	Frank, <i>et al.</i> , "Streamlining Potentials: A Sensitive Index of Enzymatic Degradation in Articular Cartilage", <i>Journal of Orthopaedic Research</i> , 5(4): 497-508, 1987.		
<input checked="" type="checkbox"/>	Frank, <i>et al.</i> , "Cartilage Electromechanics --II. A Continuum Model of Cartilage Electrokinetics and Correlation with Experiments," <i>J. Biomech</i> , 20: 629-639, 1987.		
<input checked="" type="checkbox"/>	Freed, <i>et al.</i> , "Tissue engineering of cartilage in space," <i>Proc Natl Acad Sci U S A</i> 94:13885-13890, 1997.		
<input checked="" type="checkbox"/>	Freed, "Chondrogenesis in a cell-polymer-bioreactor system," <i>Exp Cell Res</i> 240:58-65, 1998.		
<input checked="" type="checkbox"/>	Freed, <i>et al.</i> , "Frontiers in Tissue Engineering", Clinical Orthopaedics and Related Research, 367S: S46-S58.		
<input checked="" type="checkbox"/>	Ikeda, "Adenovirus mediated gene delivery to the joints of guinea pigs," <i>J Rheumatol</i> 25:1666-73, 1998.		
<input checked="" type="checkbox"/>	Jansen, "Sequence of cDNA Encoding Human Insulin-Like Growth Factor I Precursor," <i>Nature</i> , 306: 609-611, 1983.		
<input checked="" type="checkbox"/>	Kang, "Ex vivo gene transfer to chondrocytes in full-thickness articular cartilage defects: a feasibility study," <i>Osteoarthritis Cartilage</i> 5:139-43, 1997.		
<input checked="" type="checkbox"/>	Kim, <i>et al.</i> , "Fluorometric assay of DNA in cartilage explants using Hoechst 33258," <i>Anal Biochem</i> 174:168-76, 1988.		
<input checked="" type="checkbox"/>	Kitamura, <i>et al.</i> , "Creation of an In vivo cytosensor using engineered mesangial cells. Automatic sensing of glomerular inflammation controls transgene activity," <i>J Clin Invest</i> 100:1394-9, 1997.		
<input checked="" type="checkbox"/>	Langer, <i>et al.</i> , "Tissue Engineering," <i>Science</i> 260:920-926, 1993.		
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<input checked="" type="checkbox"/>	Nixon, <i>et al.</i> , "Enhanced repair of extensive articular defects by insulin-like growth factor-I-laden fibrin composites," <i>J Orthop Res</i> 17:475-487, 1999.		
<input checked="" type="checkbox"/>	O'Driscoll, "The healing and regeneration of articular cartilage," <i>J Bone Joint Surg Am</i>		

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